//Javionn Ramsey

//This code Transmitts a signal of all 1 and 0 bits

//1010101010

//Frequency is 500 Hz

void setup() {

// put your setup code here, to run once:

pinMode(11, OUTPUT);

Serial.begin(9600);

}

void loop() {

// put your main code here, to run repeatedly:

for (int k = 0; k < 11; k++){

onehightolow();

zerolowtohigh();

}

}

//one bit is high to low

void onehightolow(){

digitalWrite(11, HIGH);

delay(1);

digitalWrite(11, LOW);

delay(.9);

}

//zero bit is high to low

void zerolowtohigh(){

digitalWrite(11,LOW);

delay(1);

digitalWrite(11,HIGH);

delay(.9);

}

// 1 > .9

//This code is not perfect because it does not produce a perfect square wave